INSTRUCTIONS

-J01799 REV. 11-30-99

Kit Number 48046-99

ELECTRICAL PANEL MOUNT REINFORCEMENT KIT (1996 Dyna Models)

General

This kit is designed to reinforce the electrical panel frame mount on Dyna Model motorcycles manufactured from July 1995 to April 1996.

Kit Contents:

Qty	Description	Part Number
1	Plate electrical reinforcement repair	47413-98
1	Guard, drill	48362-99
4	Rivet, blind (.375 in. long)	8472
4	Rivet, blind (.625 in. long)	8473

Tools Required:

Rivet tool (POP) HD P/N 39787-A
#30 Drill bit

Remove Electrical Panel Section

The electrical panel is located on the left side of the frame and houses the motorcycle's circuit breakers, turn signal module and starter relay. The ignition module is located on the panel frame mount behind the electrical panel.

NOTE

A Service Manual for your motorcycle is available from your Harley-Davidson Dealer.

⚠WARNING

To avoid accidental start-up of motorcycle and possible personal injury, disconnect the battery cables (negative cable first) before performing any of the following procedures. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in death or serious injury.

1. Remove seat and disconnect battery cables, negative cable first.
2. See Figure 1. Remove four screws holding the electrical box cover on and remove the cover.
3. Remove four nuts that hold the bracket in place on the bracket studs.
4. Remove Black wire from silver post of circuit breaker. Move panel out of the way.
5. See Figure 2. Disconnect the ignition module 8-place connector.
6. Remove two nuts and one screw that hold the electrical panel to frame mount. Push the Black wire (previously removed from circuit breaker) with the grommet through the hole in the electrical panel. Unplug the spark plug wires from the coil (noting locations) and move the panel with components to allow access to the frame mount.

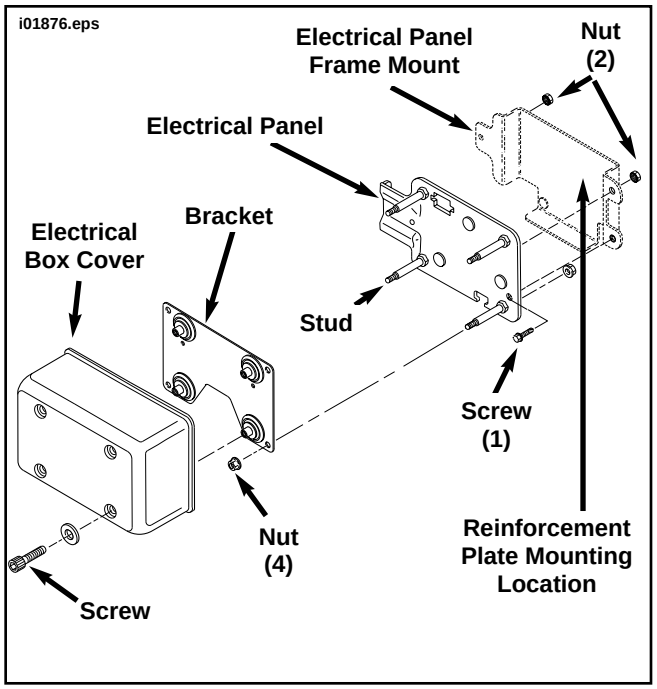

Figure 1. Electrical Box Cover, Electrical Panel, Bracket, and Frame Mount

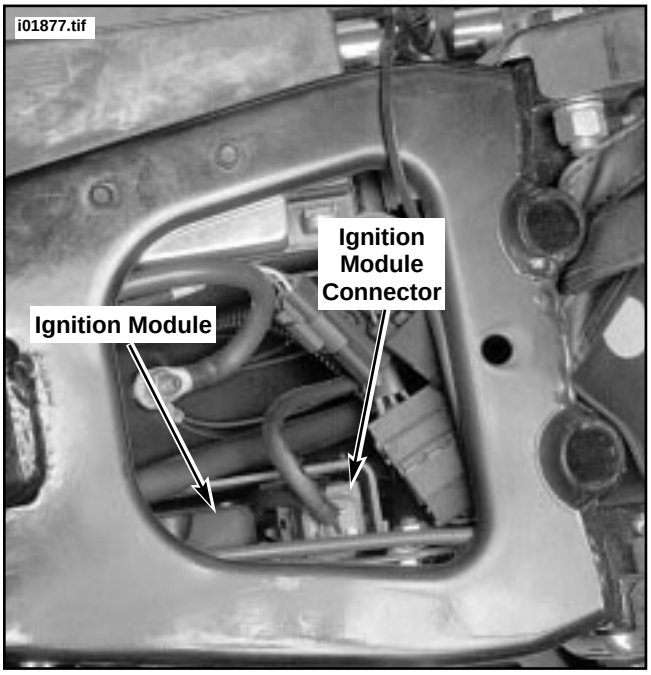

Figure 2. Disconnect Ignition Module and Remove Module from Frame Mount

Access Frame Backbone

7. Following instructions in applicable Service Manual, remove upper belt guard.

8. Following instructions in applicable Service Manual, remove rear wheel assembly.

Install Reinforcement Plate to Electrical Panel Frame Mount

9. Insert drill guard carefully into backbone so that it is in front of wire harness, until reaching stop tab (approximately 12 in. from end).

10. See Figure 3. Look for and note cracked or damaged areas on electrical panel frame mount. Sand and touch-up areas with paint.

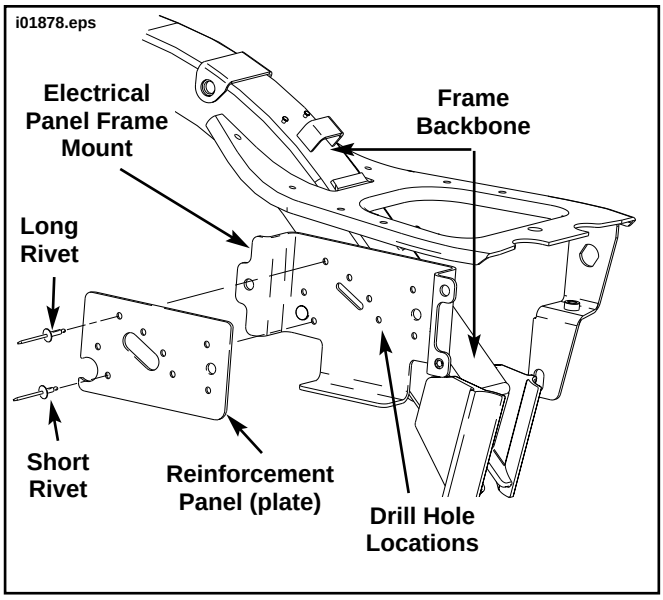

Figure 3. Electrical Panel Frame Mount and Reinforcement Plate

11. See Figure 4. Align top of reinforcement plate with top of electrical panel frame mount and hole in plate with hole in panel frame mount. Clamp reinforcement plate securely to frame mount.

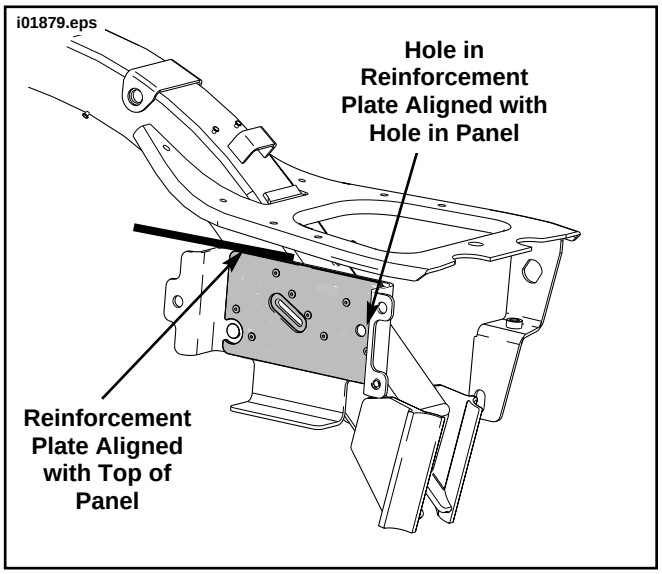

Figure 4. Align Reinforcement Plate

NOTE

When performing the following Step, use care not to damage wires under seat when drilling holes in frame mount.

12. See Figure 5. Using a #30 drill bit, drill eight (rivet) holes in panel frame mount in locations shown using reinforcement plate as a drill guide.

13. Remove reinforcement plate.

14. Remove burrs and chips.

15. See Figure 5. Obtain four “long” (.625 in.) “pop” rivets. Install through “inner” holes in reinforcement plate and panel frame mount.

16. See Figure 5. Obtain four “short” (.375 in.) “pop” rivets. Install through “outer” holes in reinforcement plate and panel frame mount.

17. Remove drill guard from frame backbone and discard.

18 Following instructions in applicable Service Manual, install rear wheel assembly.

19. Following instructions in applicable Service Manual, install belt guard.

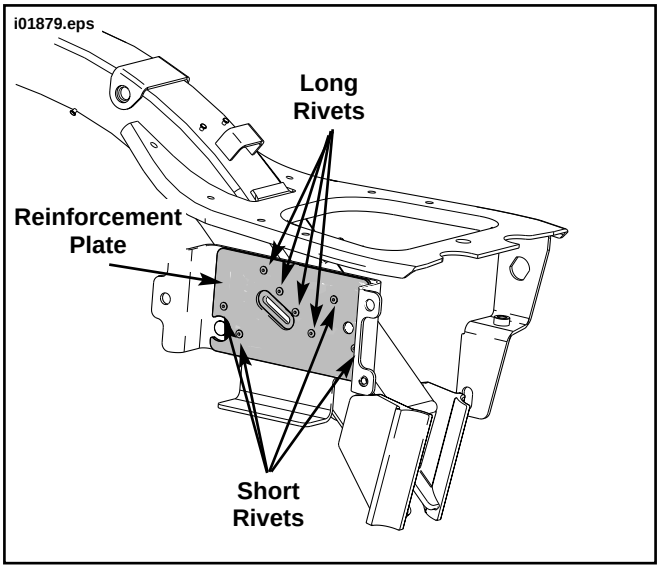

Figure 5. Drill Holes and Install Rivets.

Install Ignition Module and Electrical Panel

20. Install wire and grommet through hole in electrical panel.
21. See Figure 1. Install electrical panel to frame mount with two nuts and one bolt.
22. See Figure 2. Connect ignition module.
23. Attach Black wire ring terminal to silver post of circuit breaker.
24. Place bracket in place on mounting studs and secure with four nuts.
25. Install spark plug wires on appropriate ignition coil terminals.
26. Install electrical panel cover using four screws.

⚠WARNING

Always connect positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in death or serious injury.

27. Connect battery cables, positive cable first.

⚠WARNING

After installing seat, pull upward on front of seat to be sure it is locked in position. If seat is loose, it could shift position during vehicle operation and startle the rider resulting in loss of control and death or serious injury.

28. Install seat.